

ABSTRACT

A method, apparatus, and system for use in providing wireless communication while reducing power consumption includes an in-band system and an out-of-band system, wherein the out-of-band system receives an out-of-band wireless communication and activates the in-band system causing the in-band system to transition from a sleep mode to an activate mode. The in-band system is maintained in the sleep mode. When an out-of-band communication is received, the out-of-band system activates the in-band system such that the in-band system transition from the sleep mode to the active mode. The out-of-band system can further verify the in-band system is an intended target of the out-of-band communication such that the in-band system is activated when the in-band system is verified as the intended target by transmitting an out-of-band identification request, and receiving an out-of-band reply containing an identification.